



13281 U.S. PTO

041604

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                        |   |
|------------------------|---|
| Attorney Docket No.    | 500.39252VX1  |
| First Inventor         | INOUE, KOSUKE   |
| Title                  | SEMICONDUCTOR DEVICE AND METHOD<br>FOR PRODUCING THE SAME |
| Express Mail Label No. |   |

APPLICATION ELEMENTS  
SEE MPEP chapter 600 concerning utility patent application contents.ADDRESS TO:  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages: 89]  
(preferred arrangement set forth below)  
-Descriptive title of the invention  
-Cross Reference to Related Applications  
-Statement Regarding Fed sponsored R & D  
-Reference to sequence listing, a table,  
or a computer program listing appendix  
-Background of the Invention  
-Brief Summary of the Invention  
-Brief Description of the Drawings (if filed)  
-Detailed Description  
-Claim(s)  
-Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets: 25]
5. Oath or Declaration [Total Sheets: 6]  
a. ☐ Newly executed (original or copy)  
b. ☒ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)  
i. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s)  
Named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure ☐ Copies of IDS Citations  
Statement (IDS)/PTO-1449
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122  
(b)(2)(B)(i). Applicant must attach form PTO/SB/35  
or its equivalent.
17. ☒ Other: Claim for Foreign Priority; Credit Card  
Payment Form; Figs. 1-25, 26a-26b, 27-32, 33a-33b, 34a-  
34b, 35-38, 39a-39c, 40-41.

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09/698,186

Prior application information: Examiner: D. OWENS Art Unit: 2811

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ Customer Number 020457 OR ☐ Correspondence address below

|                   |                                      |                                   |                |          |                |
|-------------------|--------------------------------------|-----------------------------------|----------------|----------|----------------|
| Name              | ANTONELLI, TERRY, STOUT & KRAUS, LLP |                                   |                |          |                |
| Address           |                                      |                                   |                |          |                |
| City              |                                      | State                             |                | Zip Code |                |
| Country           |                                      | Telephone                         | (703) 312-6600 | Fax      | (703) 312-6666 |
| Name (Print/Type) | Larry N. Anagnos                     | Registration No. (Attorney/Agent) | 32,392         |          |                |
| Signature         |                                      |                                   |                | Date     | APRIL 16, 2004 |

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

17354 U.S. PTO  
10/825436

041604

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**FEE TRANSMITTAL  
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

**Complete if Known**

|                      |                                |
|----------------------|--------------------------------|
| Application Number   | R53(b) DIV. of S.N. 09/698,186 |
| Filing Date          | April 16, 2004                 |
| First Named Inventor | INOUE, KOSUKE                  |
| Examiner Name        | 2811                           |
| Art Unit             | D. OWENS                       |
| Attorney Docket No.  | 500.39252VX1                   |

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 770.00**METHOD OF PAYMENT (check all that apply)**☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit  
Account  
Number  
Deposit  
Account  
Name

01-2135

Antonelli, Terry, Stout &amp; Kraus, LLP

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application.☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code | Small Entity Fee Code | Fee (\$) | Fee (\$) | Fee Description        |
|-----------------------|-----------------------|----------|----------|------------------------|
| 1001                  | 2001                  | 770      | 385      | Utility filing fee     |
| 1002                  | 2002                  | 340      | 170      | Design filing fee      |
| 1003                  | 2003                  | 530      | 265      | Plant filing fee       |
| 1004                  | 2004                  | 770      | 385      | Reissue filing fee     |
| 1005                  | 2005                  | 160      | 80       | Provisional filing fee |

**Fee Paid****SUBTOTAL (1)**

770

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| Total Claims       | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| 20                 | -20** = 0    | x              | =        |
| Indep. Claims      | 3            | -3** = 0       | x        |
| Multiple Dependent |              |                | =        |

Large Entity Fee Code

Small Entity Fee Code

Fee (\$)

Fee (\$)

**Fee Description**

1202 18

2202 9

Claims in excess of 20

1201 86

2201 43

Independent claims in excess of 3

1203 290

2203 145

Multiple dependent claim, if not paid

1204 86

2204 43

\*\* Reissue independent claims

over original patent

1205 18

2205 9

\*\* Reissue claims in excess of 20

and over original patent

**SUBTOTAL (2) \$**

\*\*or number previously paid, if greater; For Reissues, see above.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code

Small Entity Fee Code

Fee (\$)

Fee (\$)

**Fee Description**

1051 130

2051 65

Surcharge - late filing fee or oath

1052 50

2052 25

Surcharge - late provisional filing fee or cover sheet

1053 130

1053 130

Non-English specification

1812 2,520

1812 2,520

For filing a request for *ex parte* reexamination

1804 920\*

1804 920\*

Requesting publication of SIR prior to Examination action

1805 1,840\*

1805 1,840\*

Requesting publication of SIR after Examiner action

1251 110

2251 55

Extension for reply within first month

1252 420

2252 210

Extension for reply within second month

1253 950

2253 475

Extension for reply within third month

1254 1,480

2254 740

Extension for reply within fourth month

1255 2,010

2255 1,005

Extension for reply within fifth month

1401 330

2401 165

Notice of Appeal

1402 330

2402 165

Filing a brief in support of an appeal

1403 290

2403 145

Request for oral hearing

1451 1,510

1451 1,510

Petition to institute a public use proceeding

1452 110

2452 55

Petition to revive - unavoidable

1453 1,330

2453 665

Petition to revive - unintentional

1501 1,330

2501 665

Utility issue fee (or reissue)

1502 480

2502 240

Design issue fee

1503 640

2503 320

Plant issue fee

1406 130

1460 130

Petitions to the Commissioner

1807 50

1807 50

Processing fee under 37 CFR 1.17(q)

1806 180

1806 180

Submission of Information Disclosure Stmt

8021 40

8021 40

Recording each patent assignment per property (times number of properties)

1809 770

2809 385

Filing a submission after final rejection (37 CFR § 1.129(a))

1810 770

2810 385

For each additional invention to be examined (37 CFR § 1.129(b))

1801 770

2801 385

Request for Continued Examination (RCE)

1802 900

1802 900

Request for expedited examination of a design application

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)****SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)

Larry N. Anagnos

Registration No.  
(Attorney/Agent)

32,392

Telephone

703-312-6600

Signature

*Larry N. Anagnos*

Date

04/16/2004

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